

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES REMOVING THE EXISTING LOOP DETECTORS AND PROBES FOR ALL APPROACHES AT THE INTERSECTION OF MARTIN LUTHER KING JR HWY AND US 50 RAMPS 5 AND 6. ALL INVASIVE ADVANCED DETECTION WILL BE REPLACED WITH NON-INVASIVE MICROLOOP PROBES. SAMPLING VIDEO DETECTION WILL BE ADDED TO EASTBOUND MD 704. MD 704 (MARTIN LUTHER KING JR HWY) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

1. THE INTERSECTION SHALL CONTINUE TO OPERATE IN A NEMA FOUR-PHASE, SEMI-ACTUATED MODE, WITH THE MD 704 (MARTIN LUTHER KING JR HWY) APPROACHES RUNNING CONCURRENTLY. THE WESTBOUND LEFT TURN MOVEMENT RUNS AS A EXCLUSIVE-ONLY LEFT TURN PHASE. US 50 RAMP 6 WILL CONTINUE TO OPERATE AS EXISTING.

THE CONTACT PERSONS FOR DISTRICT #3 (PRINCE GEORGES COUNTY) ARE AS FOLLOWS:

DISTRICT (DISTRICT 3 - PRINCE GEORGE'S)

MR. BRIAN YOUNG
DISTRICT ENGINEER
301-513-7311

MR. VENU NEMANI
ASSISTANT DISTRICT ENGINEER - TRAFFIC
301-513-7404

MR. VICTOR GRAFTON
DISTRICT UTILITY ENGINEER
301-513-7350

MR. KEVIN NOWAK & MR. DUANE BERNARD
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
301-513-7336

MR. TOM FOUNTAIN
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
301-513-7304

OFFICE OF TRAFFIC AND SAFETY

MS. CORREN JOHNSON
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. EDWARD RODENHIZER
CHIEF, SIGNAL OPERATIONS SECTION
410-787-7650

MR. EUGENE BAILEY
CHIEF, SIGN OPERATIONS SECTION
410-787-7670

MR. MICHAEL STOCKER
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7696

UTILITY CONTACT

PEPCO
MR. RICHARD CHILCOAT
(301)967-5820
8300 OLD MARLBORO PIKE
UPPER MARLBORO, MD 20772-0772

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

CATEGORY CODE	QTY	UNITS	DESCRIPTION
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B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE	QTY	UNITS	DESCRIPTION
585625	100	LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
800000	1	EA	IP-BASED VIDEO DETECTION CAMERA AND CABLE
800000	1	LS	REMOVE AND DISPOSE MATERIAL AND EQUIPMENT
800000	1,785	LF	DISCONNECT, PULL-BACK, AND RE-ROUTE EXISTING CABLES
805115	40	LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT- BORED
805150	90	LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT- SLOTTED
810605	6	EA	NONINVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE
811001	6	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE

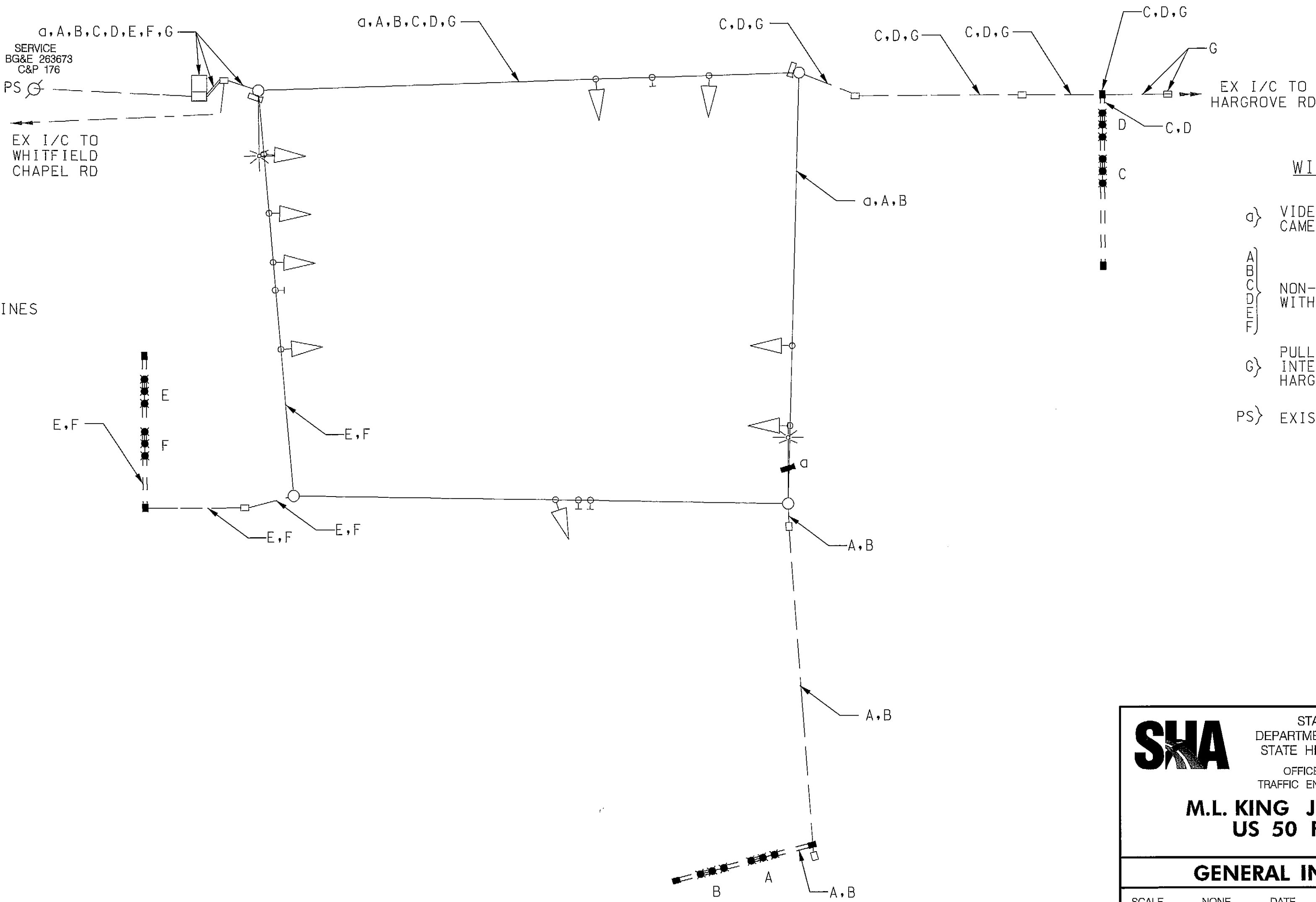
C. ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

1	2	3	4	5	6	7	8	9
(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)
(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)

PHASE 2 & 5	R	R	<G-	<G-	G	G	R	R	R	
2 & 5 CHANGE	R	R	<Y-	<Y-	G	G	R	R	R	← T
PHASE 2 & 6	G	G	<R-	<R-	G	G	R	R	R	← T
2 & 6 CHANGE	Y	Y	<R-	<R-	Y	Y	R	R	R	← T
PHASE 4	R	R	<R-	<R-	R	R	G	G	G	← T
4 CHANGE	R	R	<R-	<R-	R	R	Y	Y	Y	← T
FLASHING OPERATION	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	← T

WIRING DIAGRAM
NOT TO SCALE



WIRING KEY

- Q) VIDEO DETECTION CAMERA LEAD-IN CABLE
- A) B) C) D) E) F) NON-INVASIVE MICROLOOP PROBE WITH 1,000' LEAD-IN CABLE
- G) PULL BACK AND RE-ROUTE EXISTING INTERCONNECT CABLE FROM HARGROVE RD
- PS) EXISTING POWER SOURCE

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
**M.L. KING JR HWY (MD 704) AT
US 50 RAMPS 5 AND 6**
MITCHELLVILLE, MD

GENERAL INFORMATION SHEET

SCALE NONE DATE 5/12/13 CONTRACT NO. PG7865377

DESIGNED BY SJW COUNTY PRINCE GEORGE'S
DRAWN BY SJW LOGMILE 16070406.25
CHECKED BY AJM T.I.M.S. NO. L525
F.A.P. NO. TOD NO.

TS NO. 2504-B-GI DRAWING NO. SG-02 OF 10 SHEET NO. OF

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